## Online parameter identification

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## Abstract

Online parameter identification becomes necessary whenever model parameters are needed in order to support decisions that have to be taken during the operation of the real system. Based on ideas from adaptive control and regularization of inverse problems we suggest an online method that works both for ODEs and time-dependent PDEs. It allows for partial state observations and does neither require a linear parameterization nor data differentiation or filtering. Numerical examples in context of aircraft control are presented.